

PCT OPERATIONS

FACSIMILE TRANSMISSION COVER SHEET

DATE: April 19, 2001

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FAX NO.: (202) 530-1055

FROM: Barbara Campbell

TELEPHONE: 703 305-3631
FAX NO.: 703-308-4785 OR 703-305-3230

MESSAGE: Error Report that was
omitted from Missing Requirement

NUMBER OF PAGES 12 (INCLUDING THIS PAGE)

TRANSMISSION OK
TX/RX NO
CONNECTION TEL
CONNECTION ID
SUBADDRESS
CONNECTION ID
ST. TIME
USAGE T
PGS. SENT
RESULT

4931
92025301055
FCH&S D.C.
04/19 14:36
01:50
12
OK

TX REPORT

RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/674,973

Source: PCT

Date Processed by STIC: 12/26/2000

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin30help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25. Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be downloaded from the USPTO website at the following address:
<http://www.uspto.gov/web/offices/pat/checker>

<1107> ← list applicant
 <1207> ← give invention title
 <1407> ← U.S. serial number (application)
 <1417> ← U.S. filing date
 <1607> ← total number of sequences

Does Not Comply
Correct Diskette Needed

09/674,973

SEQUENCE LISTING

COMMON FOR ALL SEQUENCES:
 SEQUENCE TYPE: Peptide
 SEQUENCE UNIT: Amino Acid

<2107> 2
 <2117> 8
 <2127> PRT

SEQUENCE ID NO: 1
 SEQUENCE LENGTH: 16 amino acids
 R H P S W P W T R C L R M R P P R S

SEQUENCE ID NO: 2
 SEQUENCE LENGTH: 31 amino acids
 G T R A G P G P G A S G C V H Q E A E R V S Q A H R G R T G
 1 25 30 10 15

SEQUENCE ID NO: 3
 SEQUENCE LENGTH: 32 amino acids
 G G T R A G P G P G A S G C V H Q E A E R V S Q A H R G R T
 1 25 30 10 15

The submitted file
(a portion shown as
a sample) is invalid

for: 31.5
 describe organism: Artificial Sequence,
 Unknown, or scientific name (genus/species)
 of Unknown or
 Artificial Sequence
 explain in
 <2207>-<2237>
 20 section

Per Sequence Rules,
 do not use one-letter amino acids. Use three-letter
 amino acids and number them under every 5 amino
 acids. DO NOT use TAB codes between amino acid
 numbers. Use space characters.

Please: 1) consult new Sequence Rules
 2) consult sample Sequence Listing, attached,
 for valid format.

FYI

Sequence Listing to ensure that a corresponding explanation is presented in the <220> to
 <223> fields of each sequence which presents at least on n or Xaa.

Please review th

US. INO. 29639
AP 11-A To Subpart C, Part 1 - Sample Sequence
<110> Smith, John

Smith, Jane

<120> Example of a Sequence Listing

<130> 01-00001

<140> US 08/999,999

<141> 1998-02-28

<150> EP 91000000

<151> 1997-12-31

Please consult

<160> 2

<170> PatentIn ver. 2.0

<210> 1

<211> 403

<212> DNA

<213> Paramecium aurelia

<220>

<221> CDS

<222> 341..394

<300>

<301> Doe, Richard

<302> Isolation and Characterization of a Gene Encoding a

Protease from Paramecium sp.

<303> Journal of Fictional Genes

<305> 1

<306> I - 7

<307> 1988-06-20

<400> 1

ctactctact ctactctcat ctactatctt ctttggatct ctgagtctgc ctgagtggtta 60

ctcttgagtc ctggagatct ctctctcac atgtgatctg cgagactgac cgatagatcg 120

ctgactgact ctgagatagt cgagcccgta cgagaccctg cgaggggtgac agagagtggg 180

cgcggtgcgcg cagagcgccg cgccgggtgcg cgcgcgagtg cgcggtgggc cgcgcgaggg 240

ctttcgcggc agcgggcgcg ctttcggcg cgcgcccgtc cgccccctaga cctgagaggt 300

cttctcttcc ctctcttcca ctgagaggt ctatatatac atg gtt tca atg ttc 355

Met Val Ser Met Phe

agc ttg tct ttc aaa tgg cct gga ttt tgt ttg ttt gtc tgtttgctc

403

Ser Leu Ser Phe Lys Trp Pro Gly Phe Cys Leu Phe Val

10

15

<210> 2

<211> 18

<212> PRT

<213> Paramecium aurelia

<<00> 2

Met Val Ser Met Phe Ser Leu Ser Phe Tyr Gly Phe Cys Leu

1

5

10

15

Phe Val

ed: May 22, 1998,
A. Lehman,
ant Secretary of Commerce and
titioner of Patents and Trademarks,
oc. 98-14194 Filed 5-29-98; 8:45 am
CODE 3510-16-C

323/2005

identifying and their accompanying information as shown in the following table. The numeric identifier shall be used only in the "Sequence Listing." The order and presentation of the items of information in the "Sequence Listing" shall conform to the arrangement given below. Each item of information shall begin on a new line and shall begin with the numeric identifier enclosed in angle brackets as shown. The submission of those items of information designated with an "M" is mandatory. The submission of those items of information designated with an "O" is optional. Numeric identifiers <110> through <170> shall only be set forth at the beginning of the "Sequence Listing." The following table illustrates the numeric identifiers.

Numeric Identifier	Definition	Comments and Format	Mandatory (M) or Optional (O)
<110>	Applicant	Preferably max. of 10 names; one name per line; preferable format: Surname, Other Names, and/or Initials.	M
<120>	Title of Invention		M
<130>	File Reference	Personal file reference	M when filed prior to assignment of appl. number
<140>	Current Application Number	Specify as: US 07/999,999 or PCT/US96/99999	M, if available
<141>	Current Filing Date	Specify as: yyyy-mm-dd	M, if available
<150>	Prior Application Number	Specify as: US 07/999,999 or PCT/US96/99999	M, if applicable include priority documents under 35 USC 119 and 120
<151>	Prior Application Filing Date	Specify as: yyyy-mm-dd	M, if applicable
<160>	Number of SEQ ID NOS	Count includes total number of SEQ ID NOS	M
<170>	Software	Name of software used to create the Sequence Listing	O
<210>	SEQ ID NO: #:	Response shall be an integer representing the SEQ ID NO shown	M
<211>	Length	Respond with an integer expressing the number of bases or amino acid residues	M

Set type

<213>

Organism

M

<220>

Feature

• M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified base was used in a sequence; if ORGANISM is "Artificial Sequence" or "Unknown"; if molecule is combined DNA/RNA.

<221>

Name/Key

M, under the following conditions:
if "n," "Xaa," or
a modified or unusual L-amino
acid or modified
base was used in
a sequence

<222>

Location

M, under the following conditions:
if "n," "Xaa," or
a modified or unusual L-amino
acid or modified ~

		In feature		base was used in a sequence
<223>	Other Information	Other relevant information; four lines maximum		M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified base was used in a sequence; if ORGANISM is "Artificial Sequence" or "Unknown"; if molecule is combined DNA/RNA.
<300>	Publication Information	Leave blank after <300>		O
<301>	Authors	Preferably max of ten named authors of publication; specify one name per line; preferable format: Surname, Other Names and/or Initials		O
<302>	Title			
<303>	Journal			O
<304>	Volume			O
<305>	Issue			O
<306>	Pages			O
<307>	Date	Journal date on which data published; specify as yyyy-mm-dd, MM-yyyy or Season-yyyy		O
<308>	Database Accession Number	Accession number assigned by database including database name		O
<309>	Database Entry Date	Date of entry in database; specify as yyyy-mm-dd or MM-yyyy		O
<310>	Patent Document Number	Document number; for patent-type citations only. Specify as, for example, US 07/999,999		O

<311> Patent Filing
Date

Document filing
date, for patent-
type citations only;
specify as yyyy-mm-dd

<312> Publication Date

Document publication
date, for
patent-type
citations only;
specify as yyyy-mm-dd

<313> Relevant
Residues

FROM (position) TO
(position)

<400> Sequence

SEQ ID NO should
follow the
numeric identifier
and should appear
on the line pre-
ceding the actual
sequence

5. Section 1.824 is revised to read as follows:

1.824 Form and format for nucleotide and/or amino acid sequence
submissions in computer readable form.

(a) The computer readable form required by 1.821(c) shall meet the
following specifications:

(1) The computer readable form shall contain a single "Sequence Listing"
as either a diskette, series of diskettes, or other permissible media
outlined in paragraph (c) of this section.

(2) The "Sequence Listing" in paragraph (a) (1) of this section shall be
submitted in American Standard Code for Information Interchange (ASCII)
text. No other formats shall be allowed.

(3) The computer readable form may be created by any means, such as word
processors, nucleotide/amino acid sequence editors or other custom
computer programs; however, it shall conform to all specifications
detailed in this section.

(4) File compression is acceptable when using diskette media, so long as
the compressed file is in a self-extracting format that will decompress
on one of the systems described in paragraph (b) of this section.

(5) Page numbering shall not appear within the computer readable form
version of the "Sequence Listing" file.

(6) All computer readable forms shall have a label permanently affixed
thereto on which has been hand-printed or typed: the name of the
applicant, the title of the invention, the date on which the data were
recorded on the computer readable form, the operating system used, a
reference number, and an application serial number and filing date, if
known.

(b) Computer readable form submissions must meet these format
requirements:

(1) Computer: IBM PC/XT/AT, or compatibles, or Apple Macintosh;

(2) Operating System: MS-DOS, Unix or Macintosh;

1/29/99 1:53 PM